



# Restoration Advisory Board Meeting -3 May 2005

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Naval Station Norfolk  
Installation Restoration  
Program



# RAB Meeting Agenda

- TOPIC
  - Welcome and Introduction
  - Status of NAVSTA IR Program
  - Project Status (Bousch Creek SWMUs 12/16, SWMU 14, Site 18, and Site 23)
  - Community Involvement
- SPEAKER
  - Holly Rosnick - CH2M HILL
  - Winoma Johnson-NAVFAC MIDLANT
  - Holly Rosnick - CH2M HILL
  - Winoma Johnson-NAVFAC MIDLANT



# RAB Meeting Agenda

- TOPIC
  - Comments/Closing Remarks/Announcements Of Future Meetings
    - RAB Meeting:  
Tuesday, November 8, 2005, 6:00 PM
- SPEAKER
  - Winoma Johnson-NAVFAC MIDLANT





# Naval Station Norfolk







# Navy Transformation

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Naval Station Norfolk



# Goals of NAVFAC Transformation

“The Naval Facilities Engineering Command (NAVFAC) announced today the start of a major transformation that will reshape its global engineering, acquisition, and public works organizations to enhance efficiency and effectiveness, and improve its products and services for the Navy, Marine Corps, Department of Defense, and other federal Clients.” (*July 2004 Press Release*)“

## The milestones:

- Combine 25 commands into 16
- Cut from 15,000 to 12,000 the number of civilian employees
- Save \$1.4 billion from its current \$8.5 billion annual budget by FY11
- Reduce CEC force from 1,600 officers to about 1,250

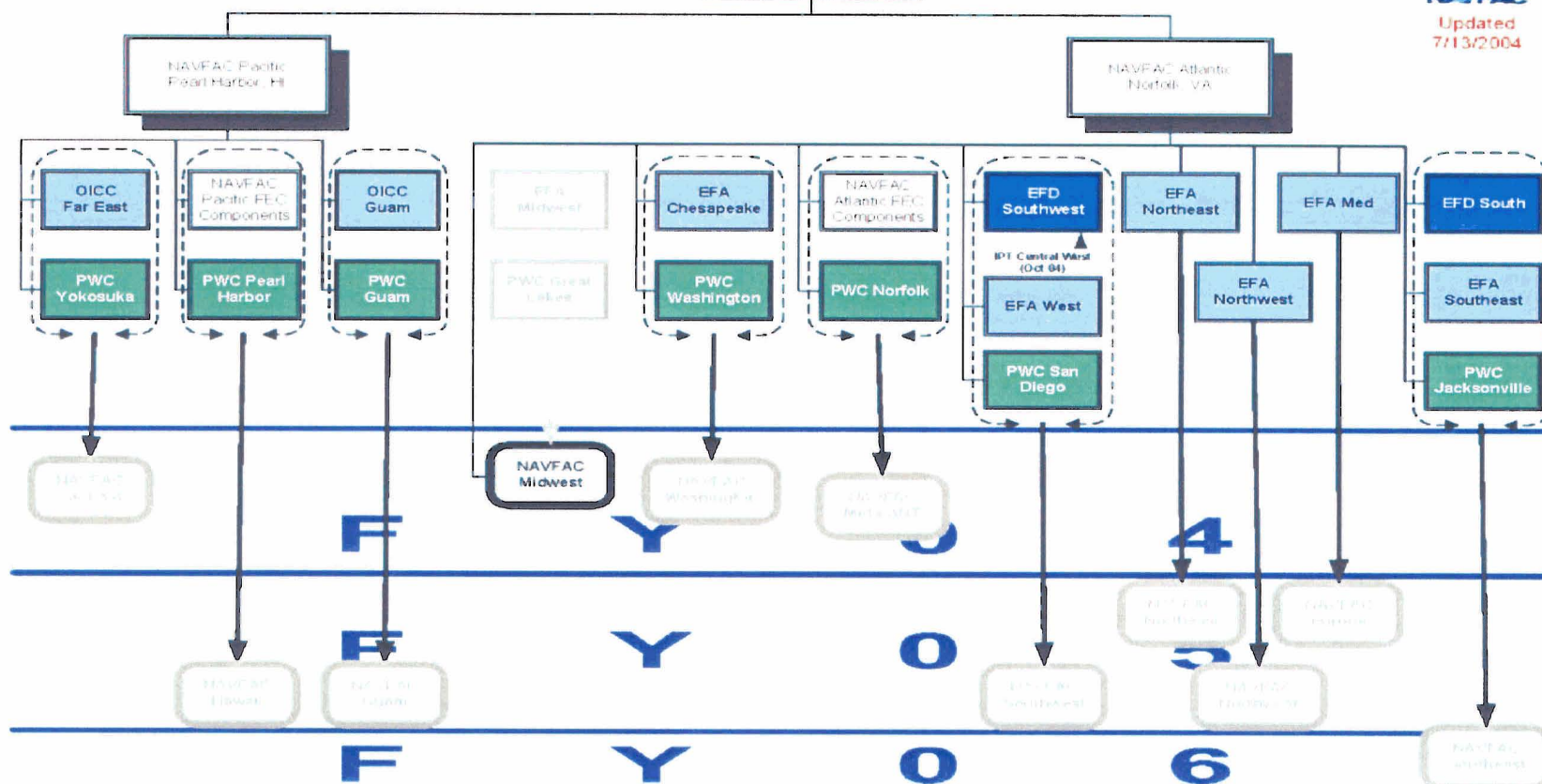


# NAVFAC Transformation

NAVFAC Headquarters  
Washington, DC



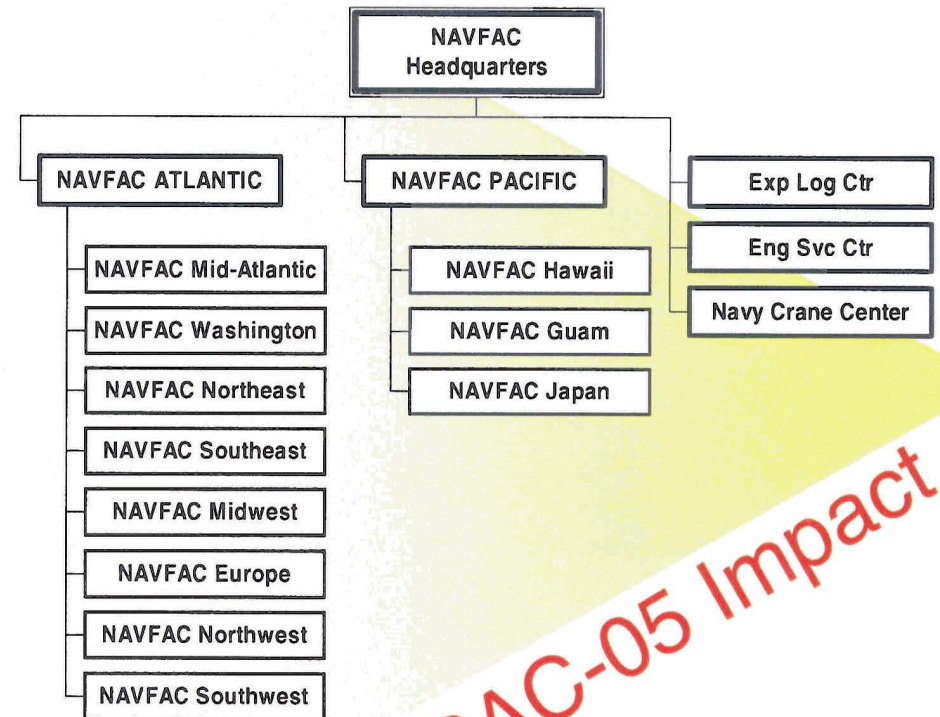
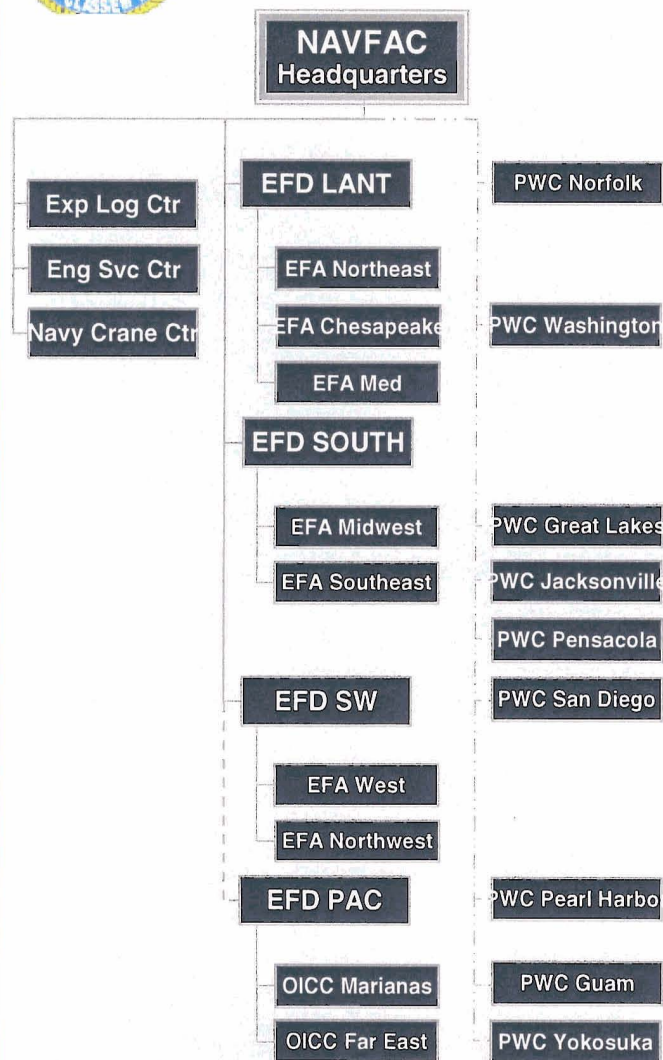
Updated  
7/13/2004







# NAVFAC Organizational Structure



No BRAC-05 Impact



- ***Allows leveraging of enterprise-wide capabilities***
- ***Facilitates standardization of support***
- ***Matrix key staff: CIO shared with NAVFAC***





# Status of Installation Restoration Program

## Naval Station Norfolk





# Naval Station Norfolk IR Program

- National Priorities List (NPL) - 4/97
- Federal Facilities Agreement (FFA) - 2/99
  - 170 Sites Investigated
    - 18 IR sites (10 clean up Req'd; 8 Institutional Controls)
    - 5 Site Screening Areas (5 SSAs)
    - 15 Areas of Concern (AOCs)
    - 132 Sites require No Further Action (NFA)



# Naval Station Norfolk Partnering Team Members

- Winoma Johnson, NAVFAC MIDLANT
- Todd Richardson, USEPA
- Garwin Eng, VDEQ
- Holly Rosnick and Ben Francisco, CH2MHILL
- Don Joiner, Baker Environmental

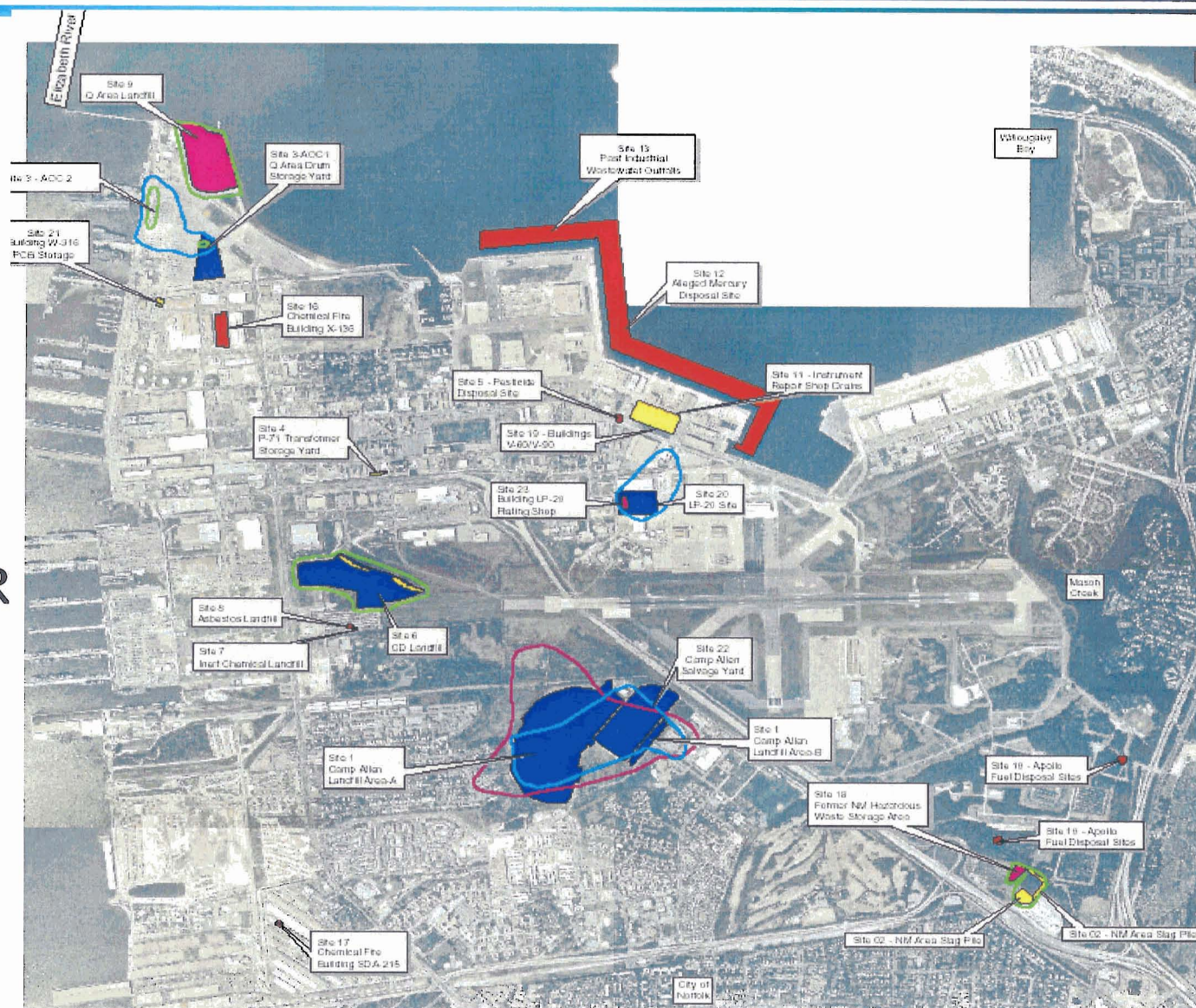




# Naval Station Norfolk

## Status of IR Sites

December 2004



- NFA Sites Per FFA Close-out Reports
- Remedial/Removal Action Complete
- Remedial/Removal Action in Progress
- Remedial/Site Investigation in Progress

- Groundwater Source Area
- Deep Aquifer Groundwater Plume
- Shallow Aquifer Groundwater Plume

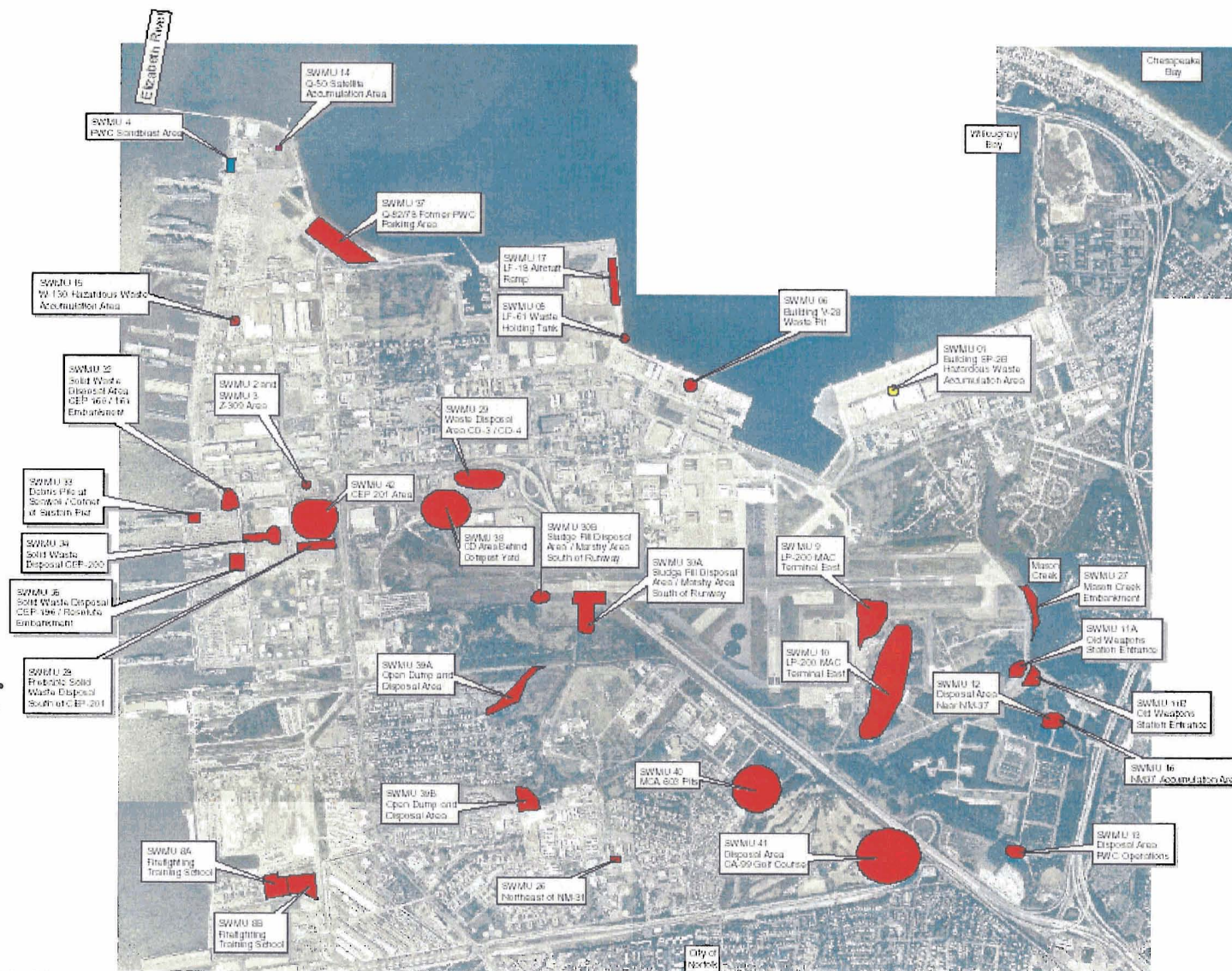




# Naval Station Norfolk

## Status of SWMUs

December 2004



- NFA Sites Per FFA Close-out Reports
- Remedial/Removal Action Complete
- Remedial/Site Investigation in Progress
- Transferred from CERCLA Program





# Naval Station Norfolk

## IR Program

- Significant Accomplishments
  - 18 sites have been closed out through either remediation or Risk Assessment/Closeout reports since 1998
  - Of the 170 sites identified, only six additional sites which includes one new site (Site 23) will require further investigation
  - Innovative remediation technologies have included: air sparging, vapor extraction, dual phase extraction, soil stabilization
  - Use of on-site soils at CD Landfill remediation has resulted in savings of over \$300,000
  - Partnering with the regulators has reduced remediation costs by over \$3M and reduced the cleanup time by over 3 years



## FY 2005 Goals

- Complete 2004 Long -Term Monitoring Report for Four Sites
- Complete Annual Post-Closure Monitoring Report for CD Landfill
- Update 2005 Site Management Plan
- Update Long-Term Monitoring Plans
- Prepare Ecological Risk Assessment (Step 7) for Bousch Creek
- Prepare Supplemental Expanded Site Investigation for Site 18





## FY 2005 Goals

- Prepare Site Investigation for Site 23
- Prepare SWMUs 12 and 16 PRAP and ROD
- Complete Ecological Risk Assessment (Step 4) Work Plan for SWMU 14

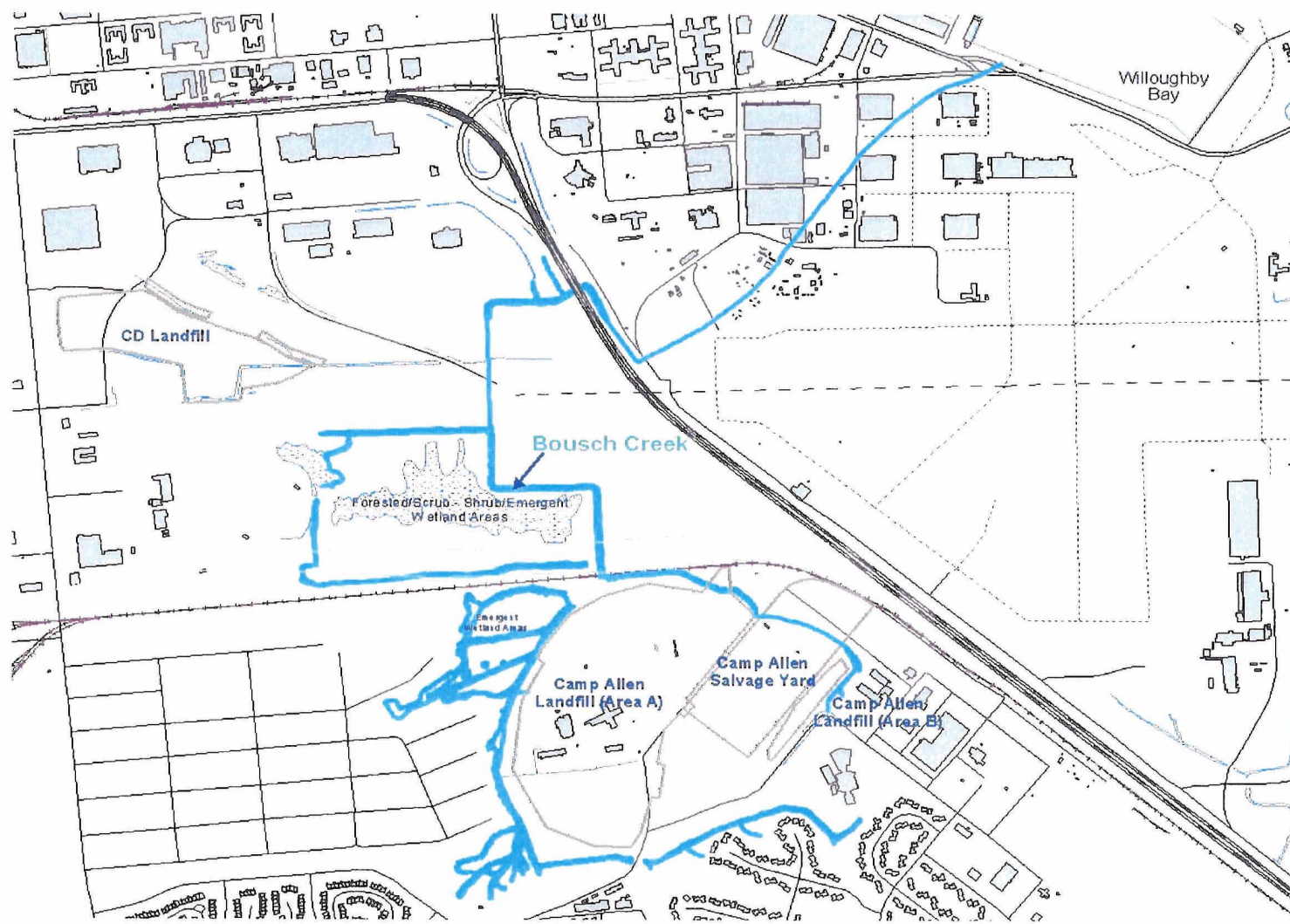


# Project Status

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## Bousch Creek Ecological Risk Assessment (ERA)

Naval Station Norfolk







## Bousch Creek ERA

- Bousch Creek is a creek system that flows through NSN adjacent to Camp Allen Landfill (CALF), Camp Allen Salvage Yard (CASY), and CD Landfill
- Creek has been channelized and flows through underground culverts over part of its length
- 29 outfalls discharge directly to Bousch Creek
- Completed field investigation of the ERA in December of 2004



# Bousch Creek ERA

- Current Status:
  - Ecological Risk Assessment being prepared and is due mid-May of 2005





# Project Status

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SWMUs 12/16

Disposal and Accumulation  
Areas near NM 37

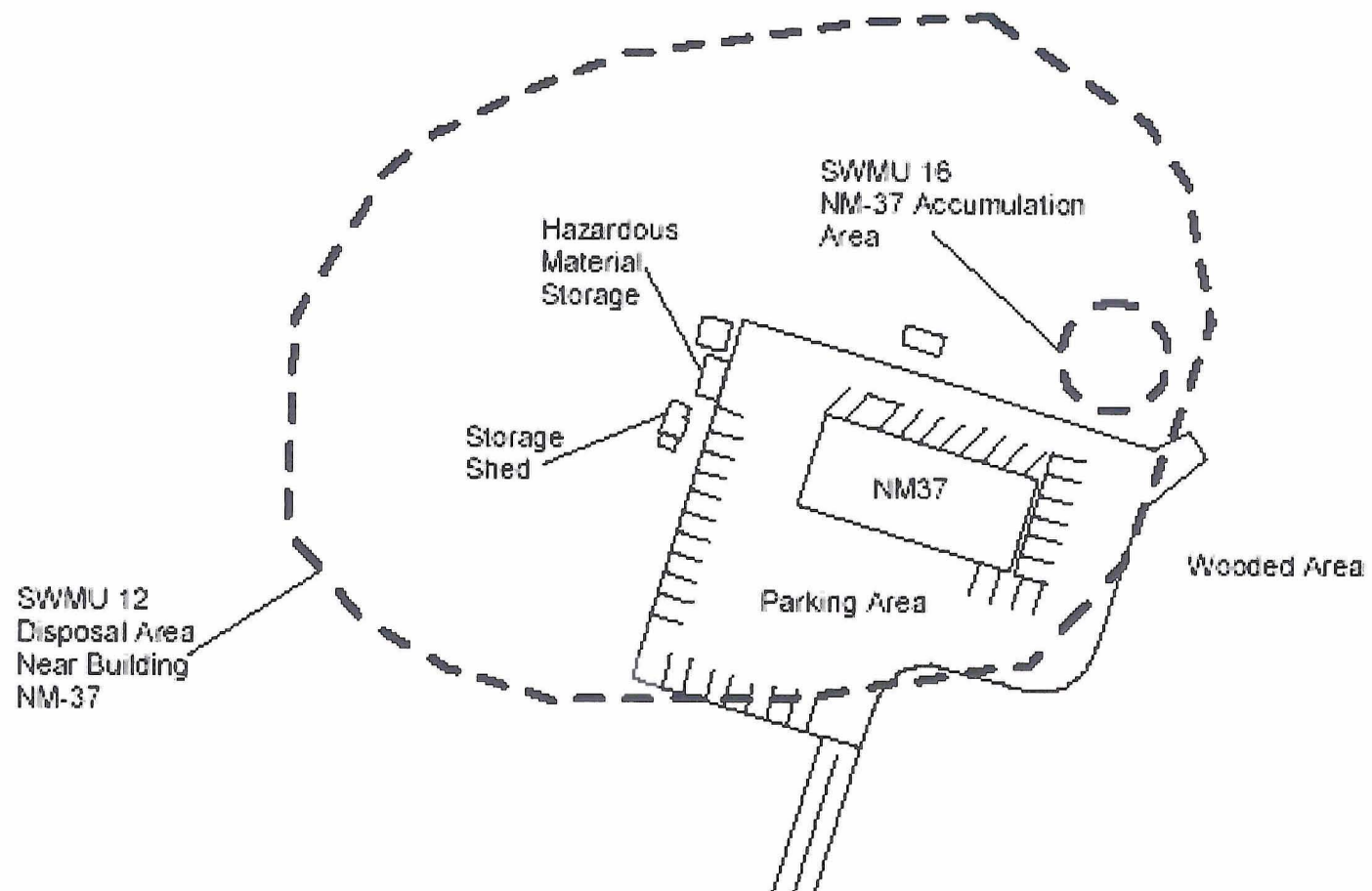
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## SWMUs 12 & 16









## SWMUs 12 & 16

- Background:
  - SMWU 12 and SMWU 16 are co-located
  - SWMU 12 was a possible disposal area that was identified from a 1958 aerial photograph
  - SWMU 16 was a hazardous waste accumulation area
    - consisted of metal container used to store fuel for mowers, oils, and hydraulic fluids
    - no history of release, but stressed vegetation observed during previous site visits
    - since investigation, accumulation structure has been demolished and replaced with newer structure





## SWMUs 12 & 16

- Current Status:
  - Proposed Plan currently being reviewed by Team
  - ROD to be prepared in 2005



# Project Status

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SWMU 14 - Q-50 Satellite  
Accumulation Area/ Site 9 -  
Q-Area Landfill

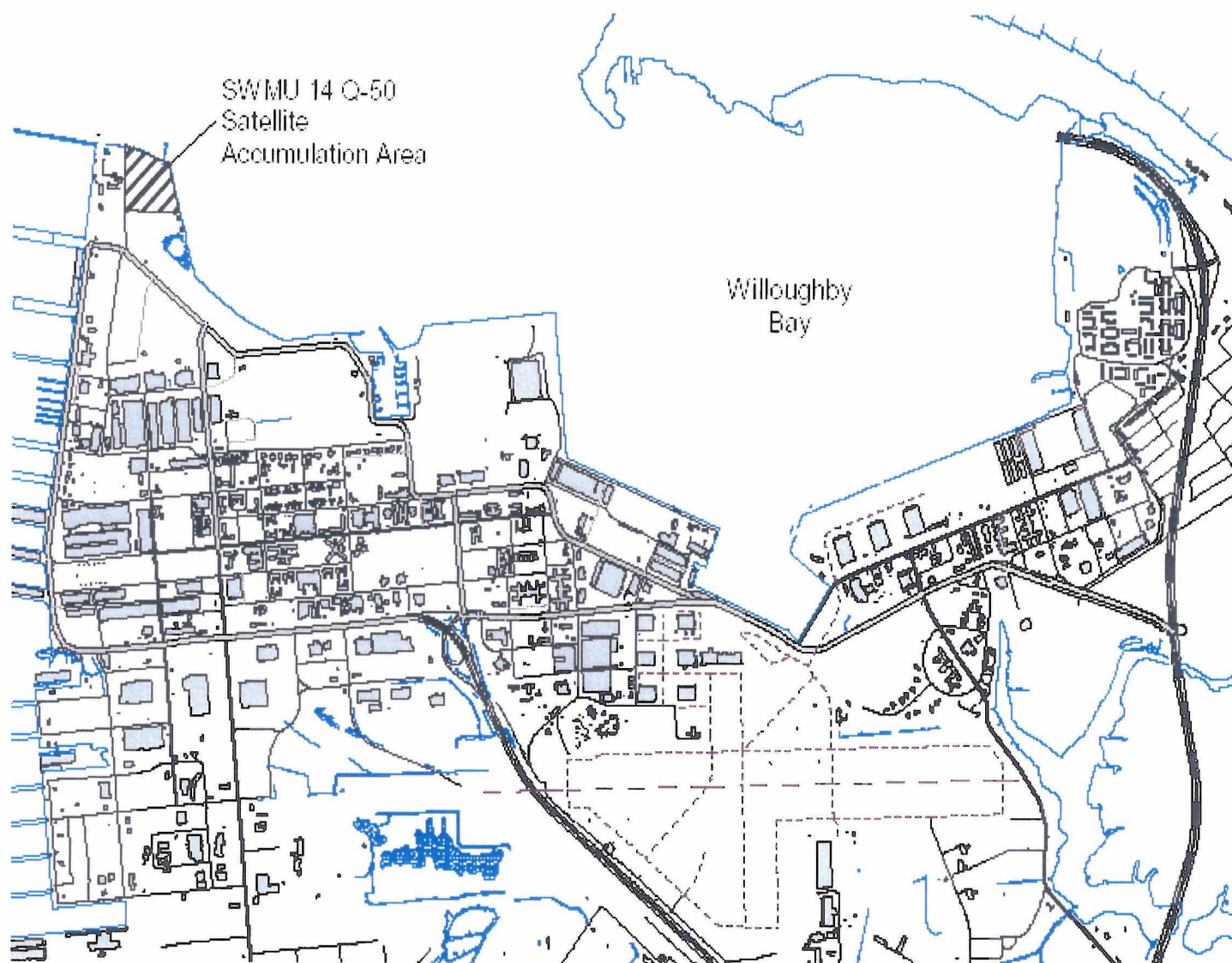
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SWMU 14 Q-50  
Satellite  
Accumulation Area

Willoughby  
Bay







# SWMU 14

## Q-50 Satellite Accumulation Area







## SWMU 14

- Background:
  - SWMU 14 and Site 9 are co-located
  - Site 9 landfill operated from 1974 to 1978 to dispose of construction debris
  - These filling activities formed much of Sewell's Point peninsula
  - SWMU 14 consisted of a concrete storage pad that was constructed on top of the Site 9 landfill
  - The pad served as a 90-day accumulation area where wastes were processed before shipping for disposal
  - Pad has subsequently been removed



## SWMU 14

- Current Status:
  - Work Plan to be prepared to detail additional ecological investigation activities





# Project Status

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Site 18

Former NM Waste Storage Area

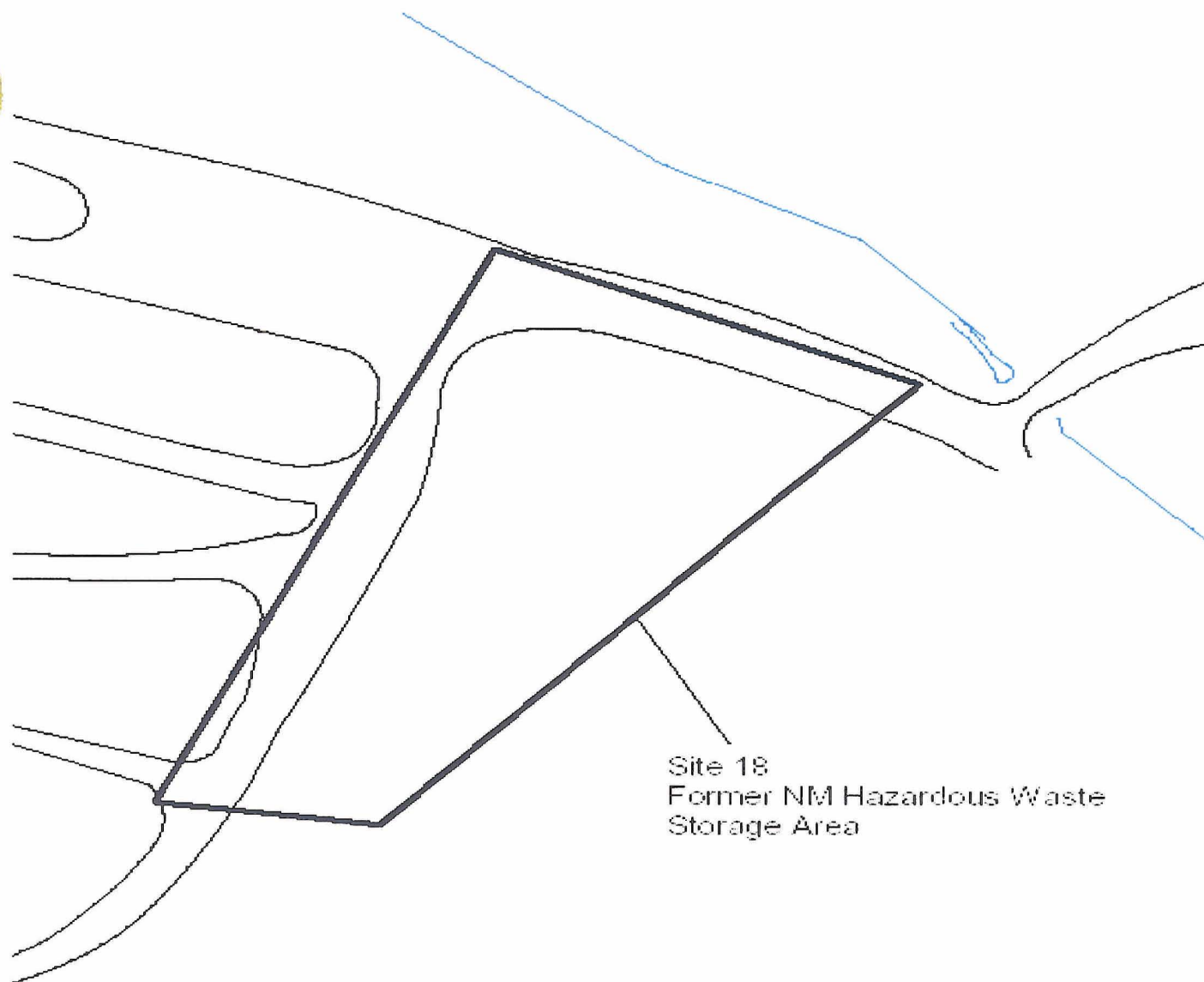
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## Site 18







Site 18  
Former NM Hazardous Waste  
Storage Area



## Site 18

- Background:
  - Open unpaved yard that was used to store drums from 1975-1979
  - Drums contained hazardous waste consisting of waste oil, metal plating solutions and sludges, chlorinated organic acids, and paint stripping solutions; spillage of waste oil and hazardous wastes occurred





## Site 18

- Current Status:
  - Additional investigation activities to further delineate a localized groundwater VOC area conducted in December of 2004
  - Team is evaluating investigation data to determine path forward



# Project Status

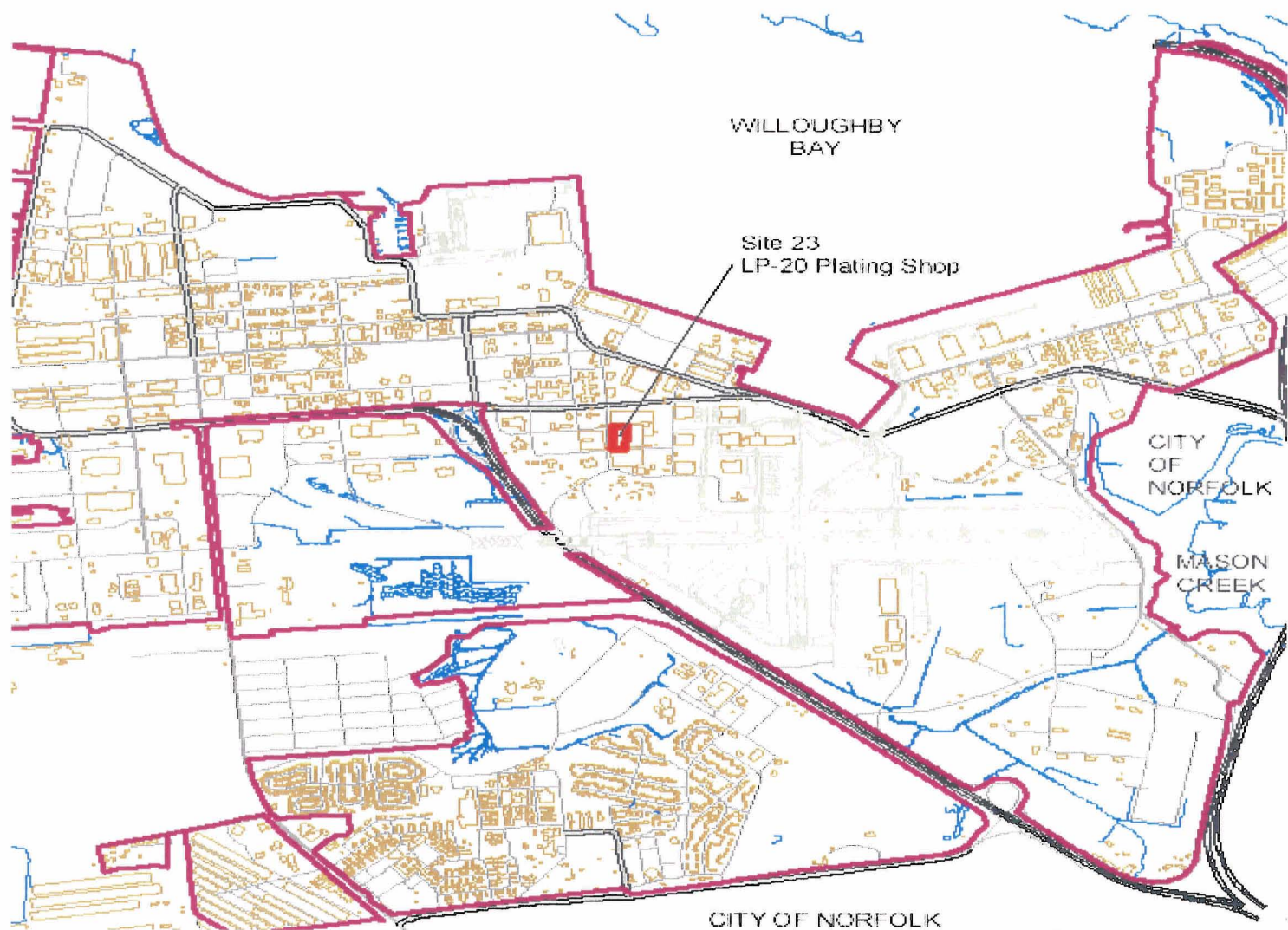
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Site 23

LP-20 Plating Shop

Naval Station Norfolk





WILLOUGHBY  
BAY

Site 23  
LP-20 Plating Shop

CITY  
OF  
NORFOLK

MASON  
CREEK

CITY OF NORFOLK



## Site 23

- Background
  - Site 23 is contained within Building LP-20
  - Building LP-20 currently used as a motor pool and office space; Plating Shop is currently not used
  - Plating Shop contains 7 process pits previously used for cleaning, stripping, and plating engine parts
  - Shop contains drainage system for collection of wastewater from pits and delivery to the Industrial Wastewater Treatment Plant
  - In August 2002, DEQ approved Navy request to transfer the Plating Shop from RCRA to CERCLA





## Site 23

- Current Status:
  - CERCLA investigation activities conducted in November 2004
  - Site Investigation memorandum being prepared



# Community Involvement Opportunities

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Naval Station Norfolk





# Community Involvement Opportunities

- The Administrative Record is available at Kirn Memorial library



# Community Involvement Contacts

## **NAVFAC MIDLANT**

**Code EV3, Building N-26, Room 3208**

**9742 Maryland Avenue**

**Norfolk, VA 23511-3095**

**Attention: Remedial Project Manager**

**Ms. Winoma Johnson**

**(757) 322-4587**

**Remedial Project Manager**

**USEPA, Region III (3HS13)**

**1650 Arch Street**

**Philadelphia, PN 19103**

**Attention: Mr. Todd Richardson**

**(215) 814-5264**

**Commander Navy Region**

**Naval Station Norfolk**

**1530 Gilbert Street, Suite 200**

**Norfolk, VA 23511-2722**

**Attention: Public Affairs Officer,**

**Mrs. Terri Davis**

**(757) 322-2576**

**Virginia Dept. of Environmental Quality**

**Federal Facilities Program**

**629 East Main Street, 4<sup>th</sup> Floor**

**Richmond, VA 23240-0009**

**Attention: Mr. Garwin Eng**

**(804) 698-4131**





# Comments/Announcements

- Next meeting - November 8, 2005 at 6:00 PM

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# Closing Remarks